

WALLENSTEIN

BY EMB MFG INC.

THREE POINT HITCH CHIPPER MODEL BX62s ASSEMBLY INSTRUCTION MANUAL

Please review and understand the operators manual before attempting to operate this machinery.

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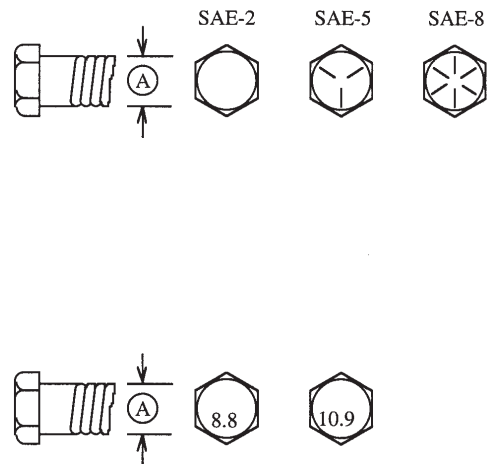
1.0 ASSEMBLY SAFETY

1. Read and understand the Assembly Manual and all safety signs before starting.
2. Follow good safety practices:
 - Keep service area clean and dry.
 - Be sure electrical outlets and tools are properly grounded.
 - Use adequate light for the job at hand.
3. Use properly sized tools, stands, jacks and hoists at all times.
4. Don't handle heavy and/or bulky components alone, ask for help.
5. Position in a large open area to allow access from all sides during assembly.
6. Keep the assembly area neat and clean to prevent slipping or tripping.
7. When using lifting equipment, place jack stands under the machine to securely stabilize it before working on, beside or under it during assembly.
8. Stay away from overhead power lines and obstructions when lifting the machine during assembly. Contact with power lines can cause electrocution. Contact with obstructions can damage components or cause them to fail.
9. Tighten all fasteners to their specified torque, then recheck before using the machine.

2.0 BOLT TORQUE

ENGLISH TORQUE SPECIFICATIONS

Bolt Diameter "A"	Bolt Torque*					
	SAE 2 (N.m) (lb-ft)		SAE 5 (N.m) (lb-ft)		SAE 8 (N.m) (lb-ft)	
1/4"	8	6	12	9	17	12
5/16"	13	10	25	19	36	27
3/8"	27	20	45	33	63	45
7/16"	41	30	72	53	100	75
1/2"	61	45	110	80	155	115
9/16"	95	60	155	115	220	165
5/8"	128	95	215	160	305	220
3/4"	225	165	390	290	540	400
7/8"	230	170	570	420	880	650
1"	345	225	850	630	1320	970



Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or caps crews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

* Torque value for bolts and capscrews are identified by their head markings.

3.0 ASSEMBLY

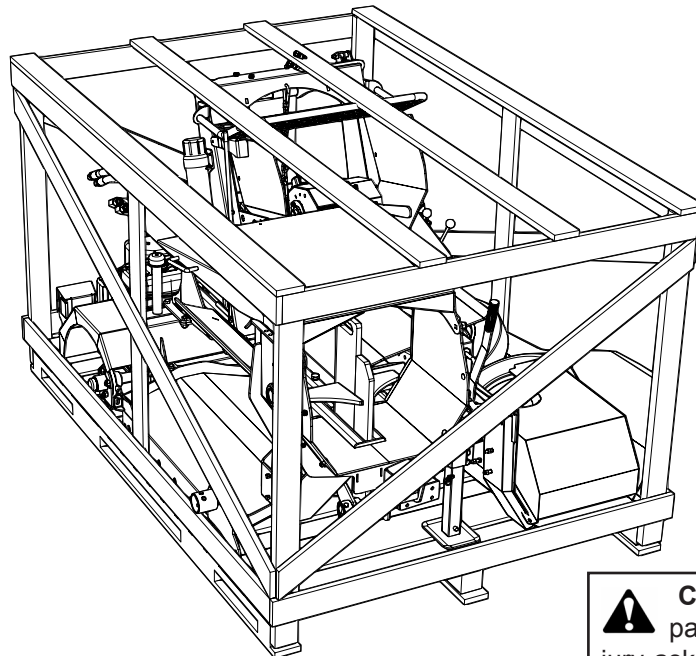
This assembly manual is for all trailer model wood processors. The BX62s is used as an example but generally applies to all wood processor models. Model specific instructions are identified in the manual.

The machine is shipped from the factory in a partially disassembled configuration and attached to a pallet that provides easy moving and handling. Always use tools, equipment and fork lifts of appropriate size and capacity for the job.

Inspect for damage from shipping, immediately contact the shipping company if damage is found.

When the machine is shipped, follow this assembly procedure:

1. Clear the area of bystanders, especially small children.
2. Be sure you have all the required tools before you start.
3. Move the shipping package into an area where it is accessible from all sides.
4. Remove the screws holding the lid to the shipping pallet, remove the lid and set aside away from the assembly area.



⚠ Caution: Heavy or bulky parts: prevent potential injury ask for help when lifting or moving heavy, bulky parts.

Uncrating the BX62S Wood Chipper

1. Remove all screws securing upper part of crate to lower skid. There are two (2) screws located at each of four (4) corners around the bottom of crate. **Photo 1**



2. Enlisting a second pair of hands, remove the upper portion of crate. **Photo 2**



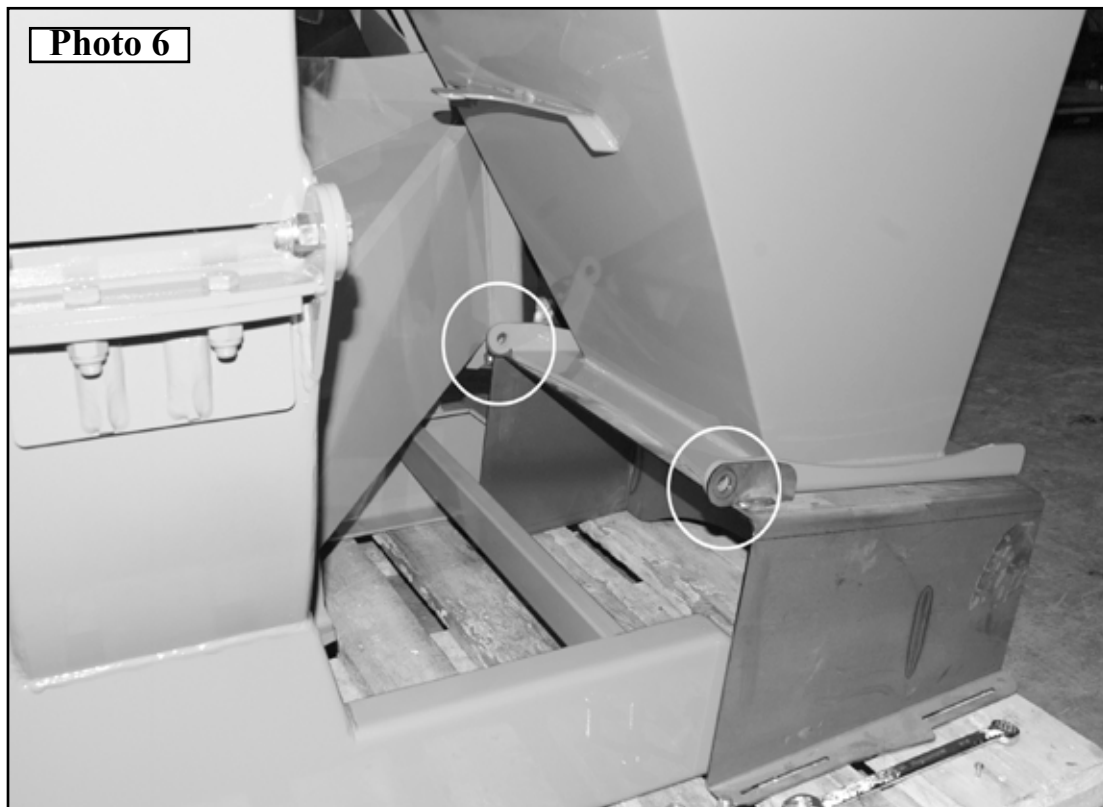
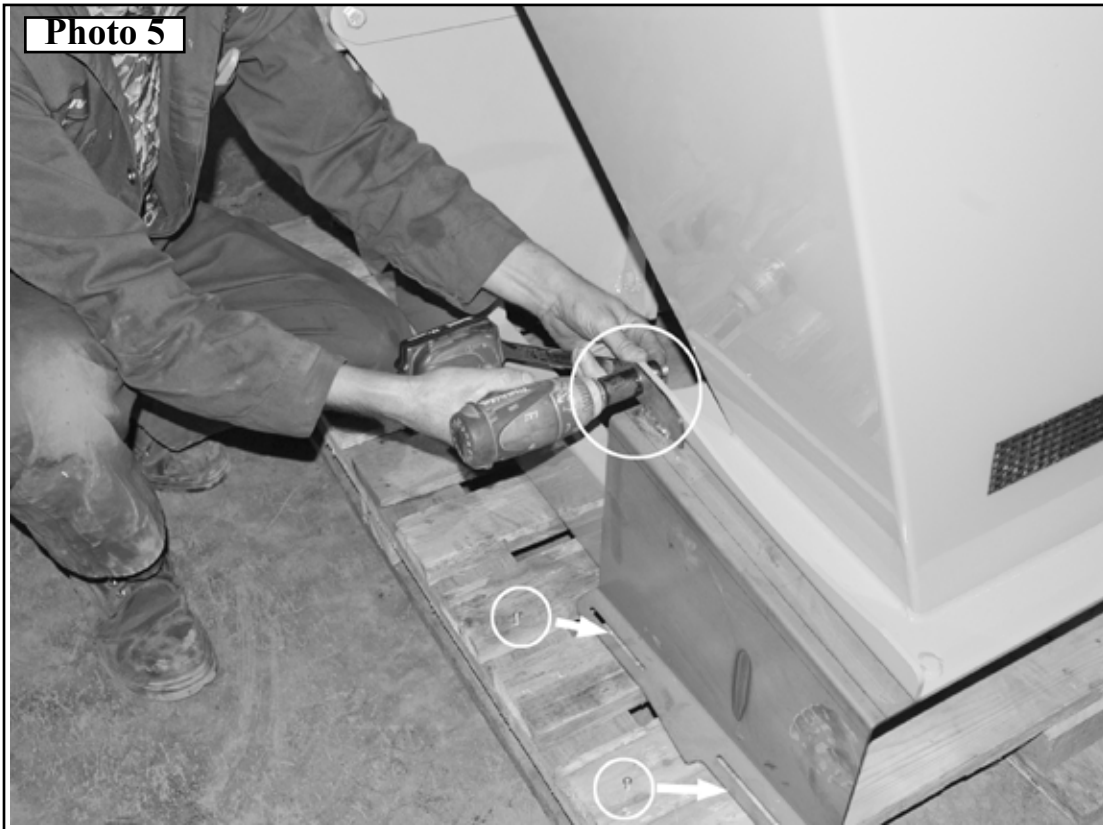
3. Visually inspect Wood Chipper for damage. *Photo 3*



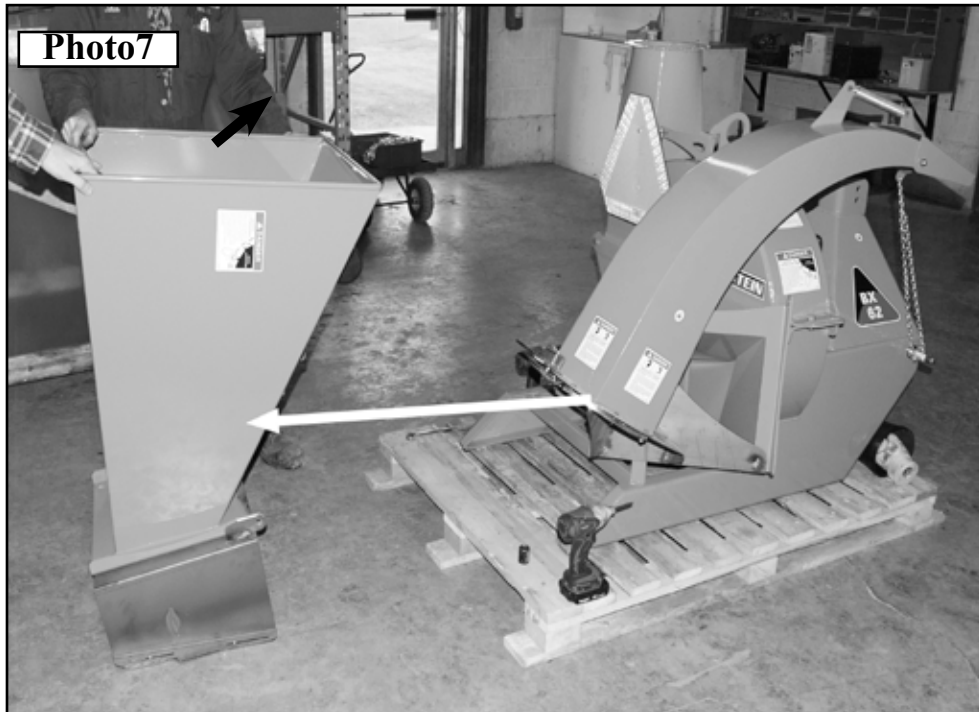
4. Remove all fasteners at metal shipping bracket that secure Self-Feed Hopper to wooden skid below. *Photo 4*



5. Remove both fasteners securing the Self-Feed Hopper to the metal shipping bracket
Photos 5 & 6



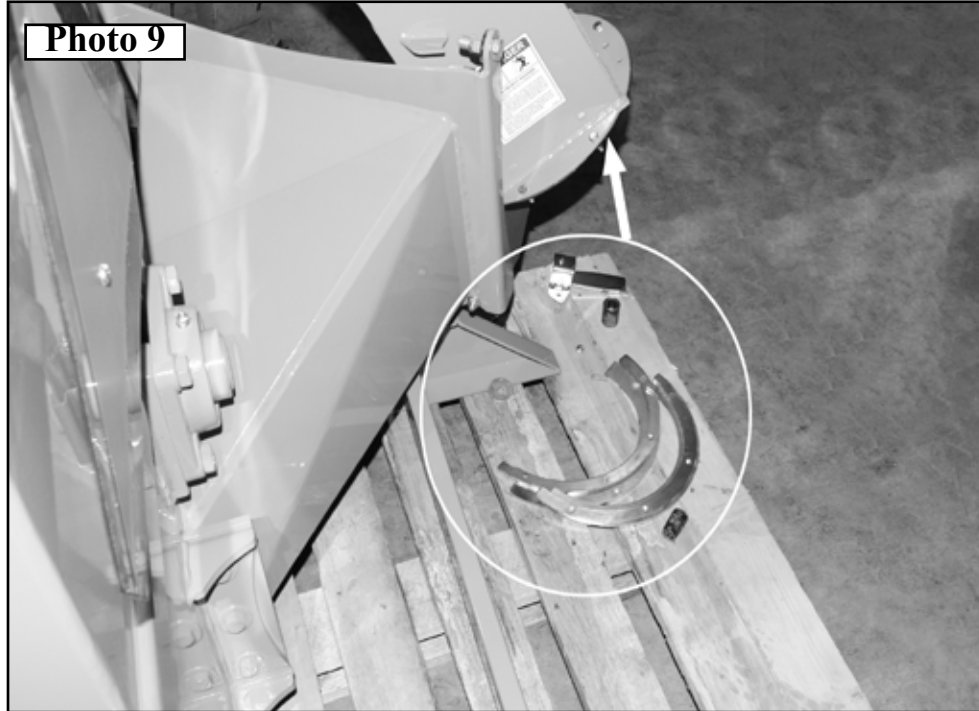
6. Remove Self-Feed Hopper from wooden skid. **Photo 7**



7. Locate shipping bracket attached to bottom of Discharge Chute Assembly and remove all shipping bolts. **Photo 8** Also attached at this bracket are: (1) 1012L229 Spacer Ring (2pcs.), (1) 1012L230 Hood Capture Ring (2pcs.) and (1) Hood Latch Assy.



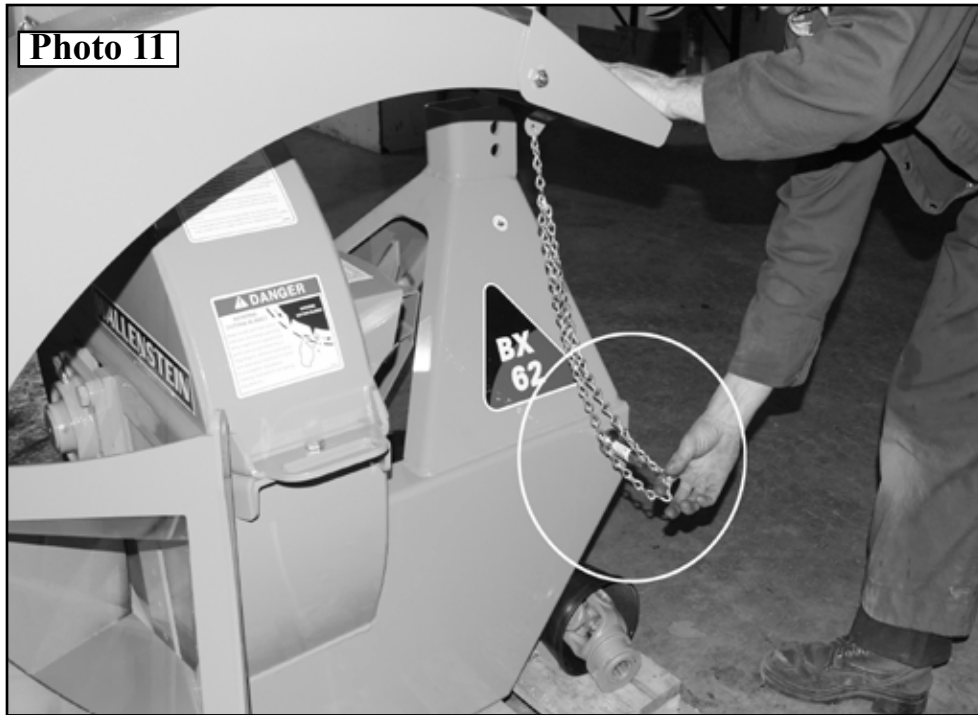
8. Set aside Spacer Ring, Hood Capture Ring & Hood Latch Assembly for now.
Photo 9



9. Remove remaining fasteners from bottom of Discharge Chute . *Photo 10*



10. Unhook Single Jack Chain at Implement Pin. *Photo 11*



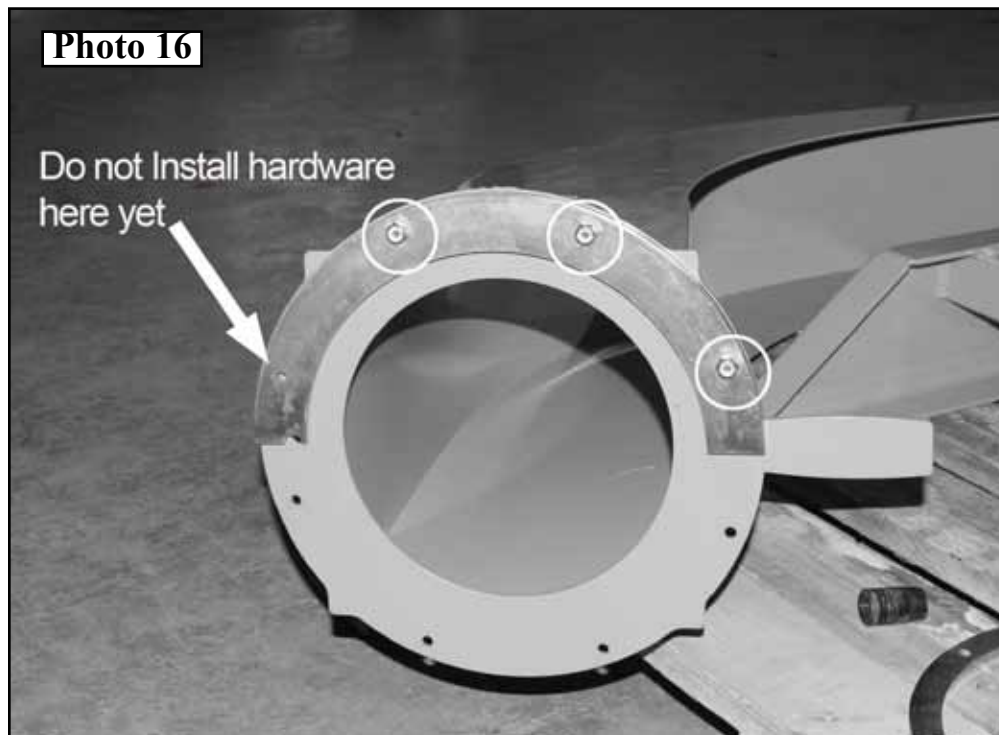
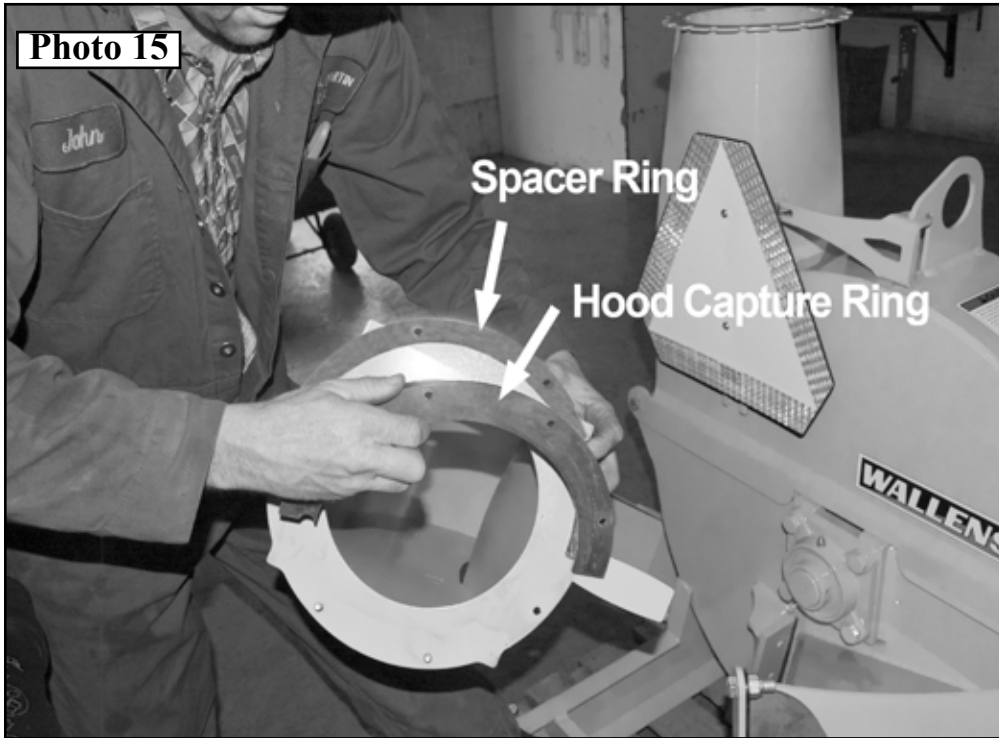
11. Remove Discharge Chute to work bench. *Photo 12*



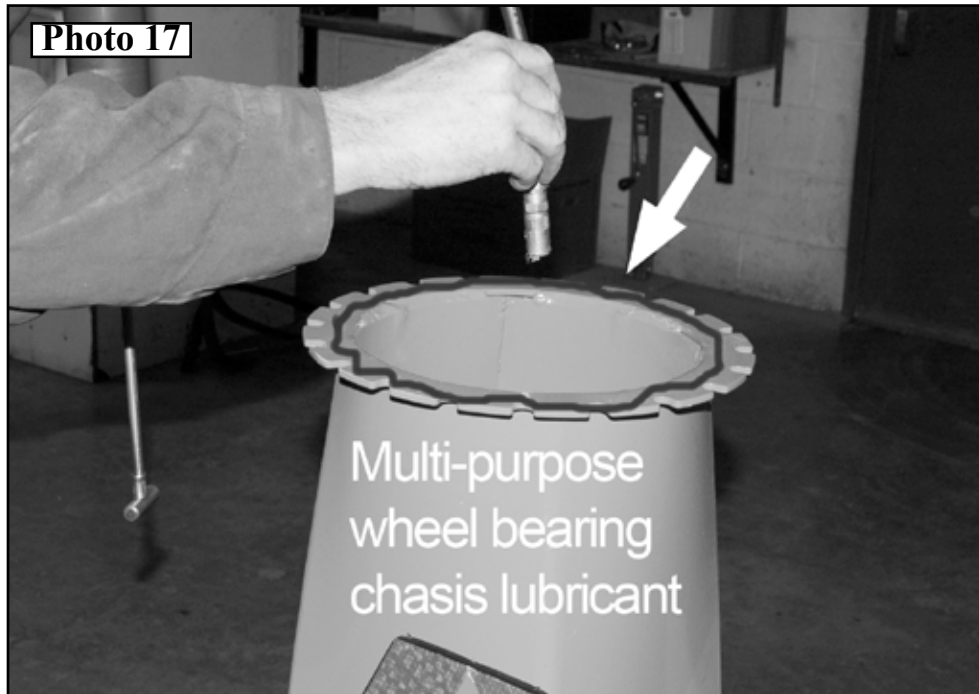
12. Loosely install half of the Hood Capture Ring and Spacer Ring using (3) Hex Bolt 1/4NC x 1 & (3) Hex Lock Nut 1/4NC. *Photos 15 & 16*

NOTE

Narrow Spacer Ring is installed first with wider Hood Capture installed to top.



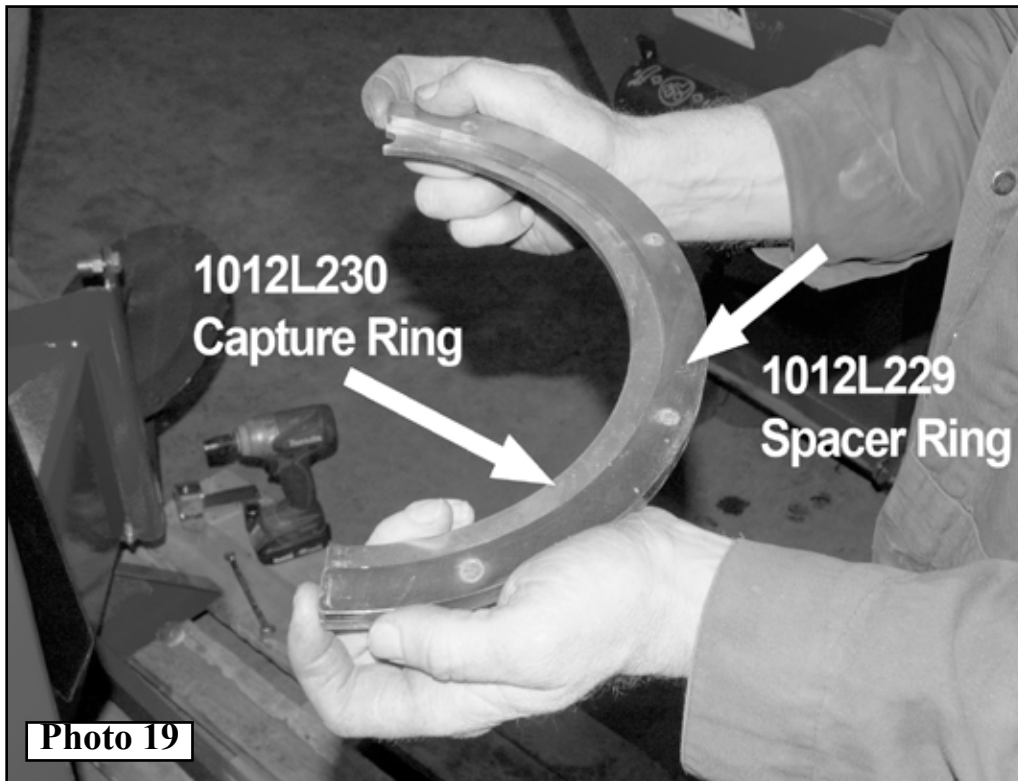
13. Apply some Multi-purpose Wheel Bearing/Chasis Lubricant to the top of the Upper Rotor Housing (around the perimeter of the stack opening). *Photo 17*



14. Place the Discharge Chute to the top of the Upper Rotor Housing sliding the installed Spacer Ring beneath the slotted lip of the Upper Rotor Housing. *Photos 18*



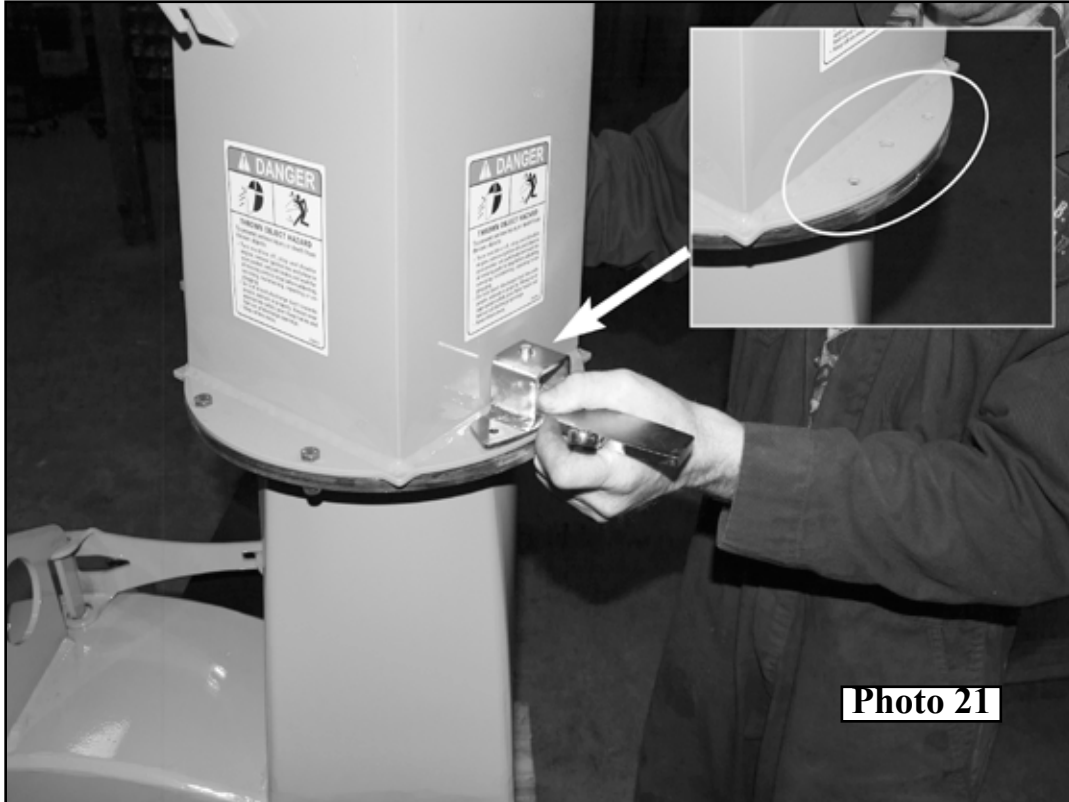
15. Install second half of Spacer Rings. Slide the lower portion Ring beneath the slotted lip of the Upper Rotor Housing while at the same time aligning the holes of the upper Ring with the holes in the Discharge Chute. *Photos 19 & 20*



16. Secure with (3) more Hex Bolt 1/4NC x 1 & (3) Hex Lock Nut 1/4NC



17. Using the remaining (2) **Hex Bolt 1/4NC x 1** & **Hex Lock Nut 1/4NC**, attach the Hood Latch Assembly at location illustrated in *Photo 21* inset.



18. Secure all hardware at Discharge Chute and swivel chute to test operation. *Photo 22*

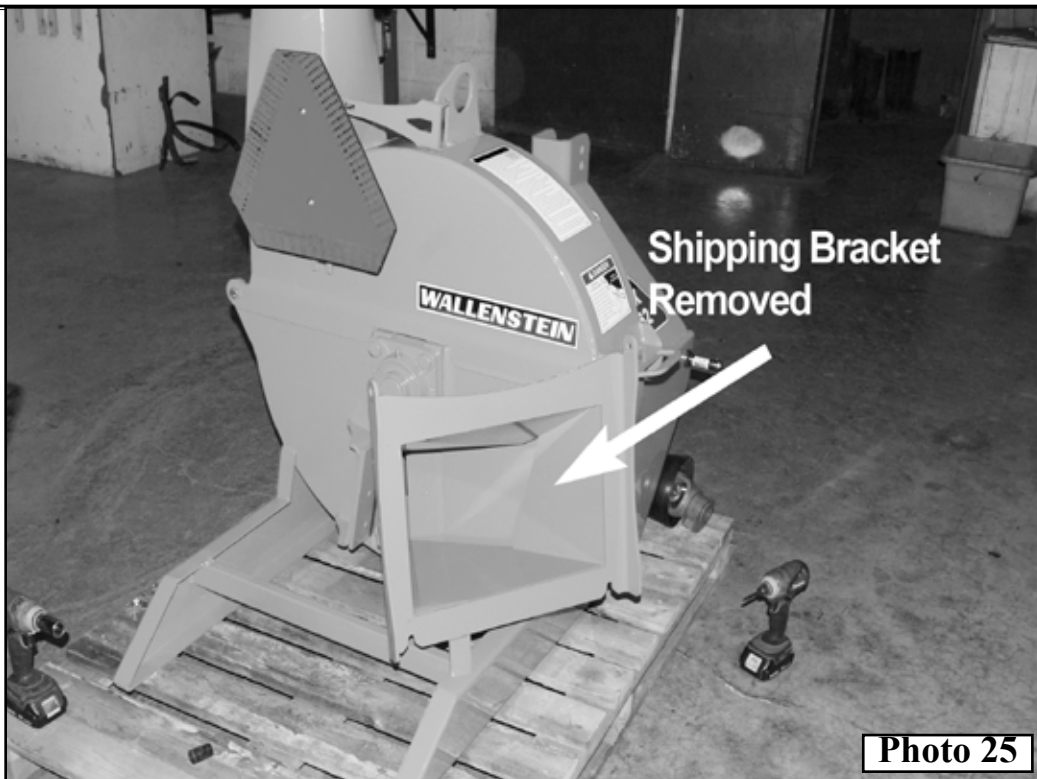


19. Attach Single-Jack Chain as illustrated in *Photo 23*



20. Remove remaining metal shipping bracket at Chipper intake and discard bracket.
Photos 24 & (25 on following page)





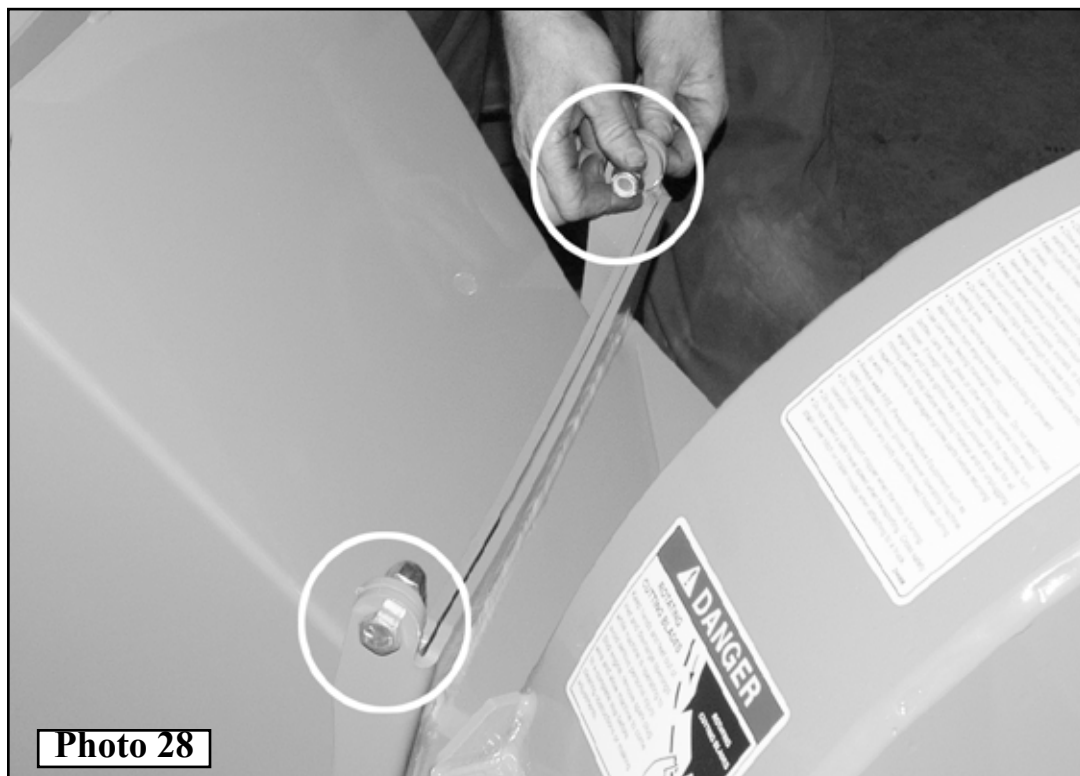
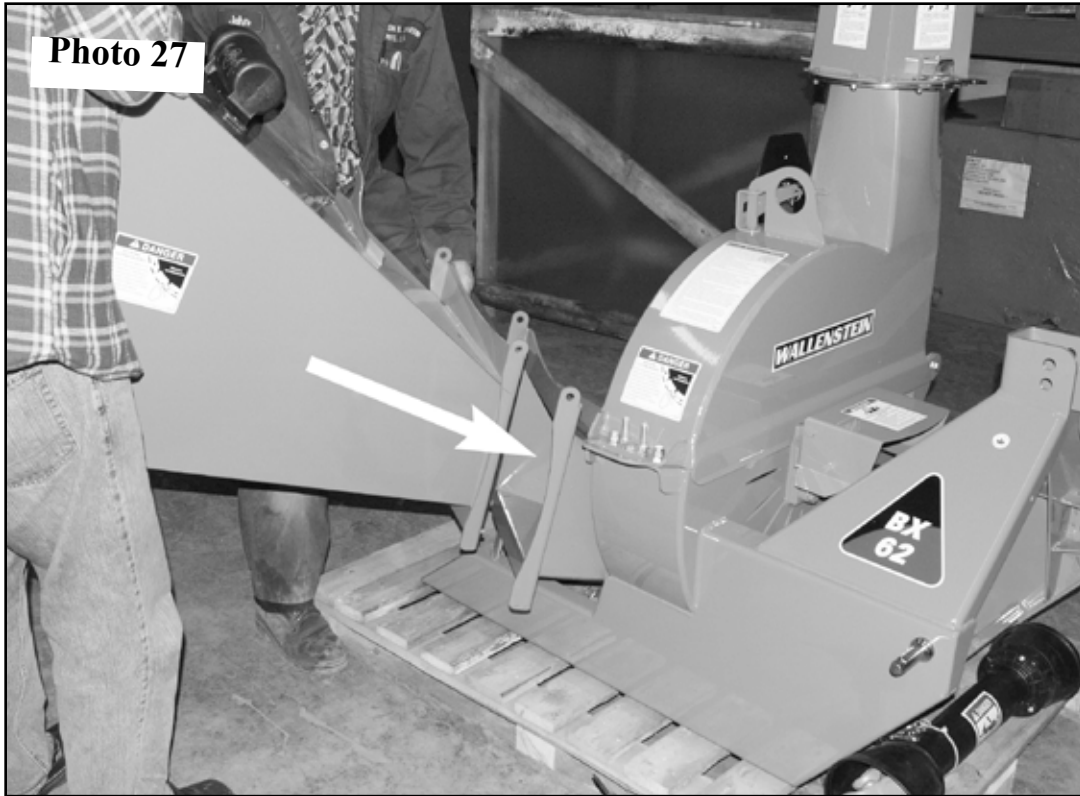
21. Locate Self-Feed Hopper and remove it from shipping bracket. It is secured by two more fasteners. *Photo 26*

CAUTION

Proceed carefully. Hopper may tip over and fall if not held firmly. May require a second set of hands to steady.

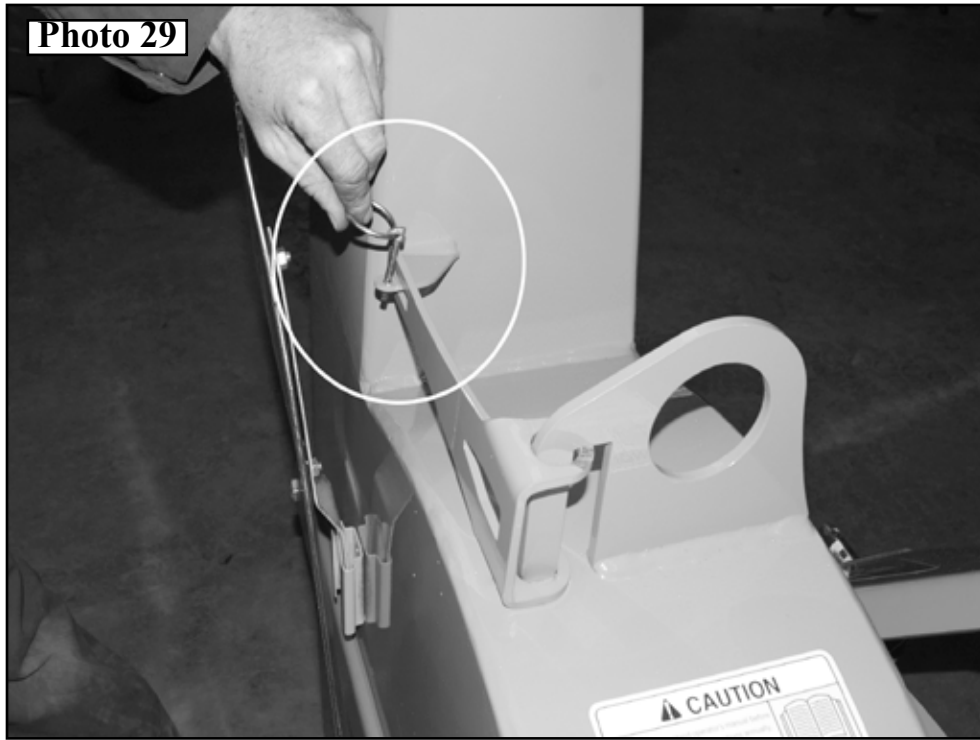


22. Attach the Self-Feed Hopper to the BX62S Wood Chipper using (2) Hex Bolt 1/2NC x 1-1/2 and (2) Hex Lock Nut 1/2NC. *Photos 27 & 28*



Securing Self-Feeding Hopper in Upright (travelling) Position

23. Locate and remove Snap Pin at swinging Hinge on top of Upper Rotor Housing.
Photo 29



24. Swing Hinge 90 Degrees. *Photo 30*



25. Tilt Self-Feed Hopper upwards and hook at hinge, securing with Snap Pin. *Photo 31*



26. Locate PTO Shaft and refer to decal for attachment orientation. *Photos 32 & (33 following page)*

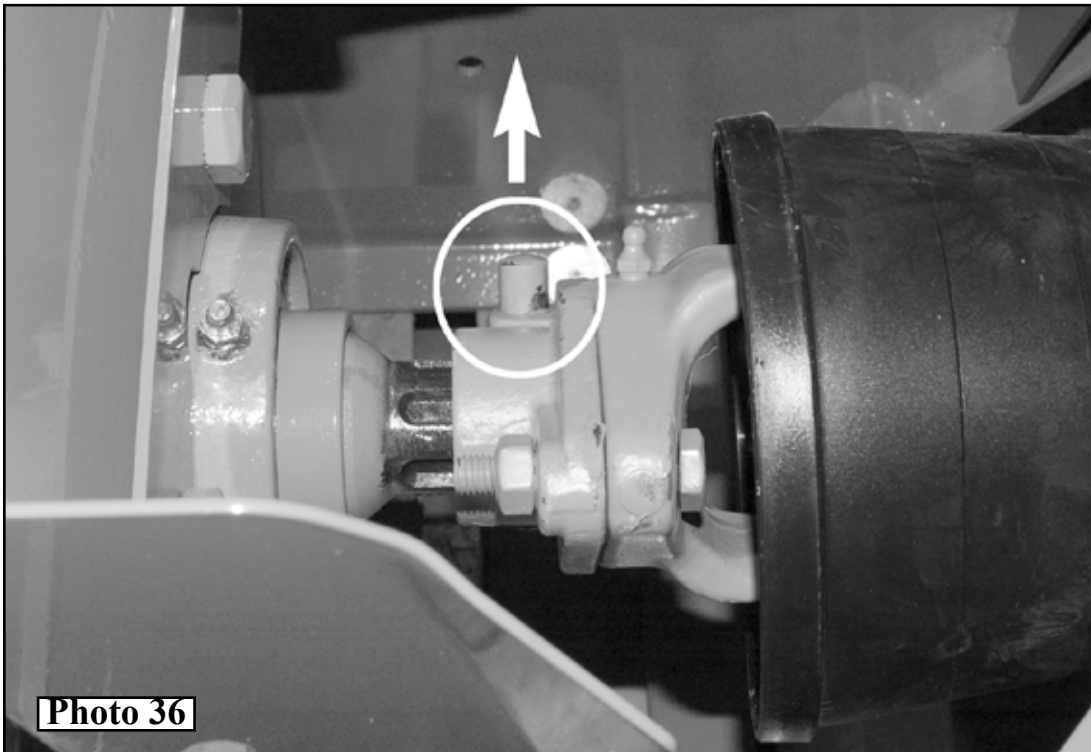
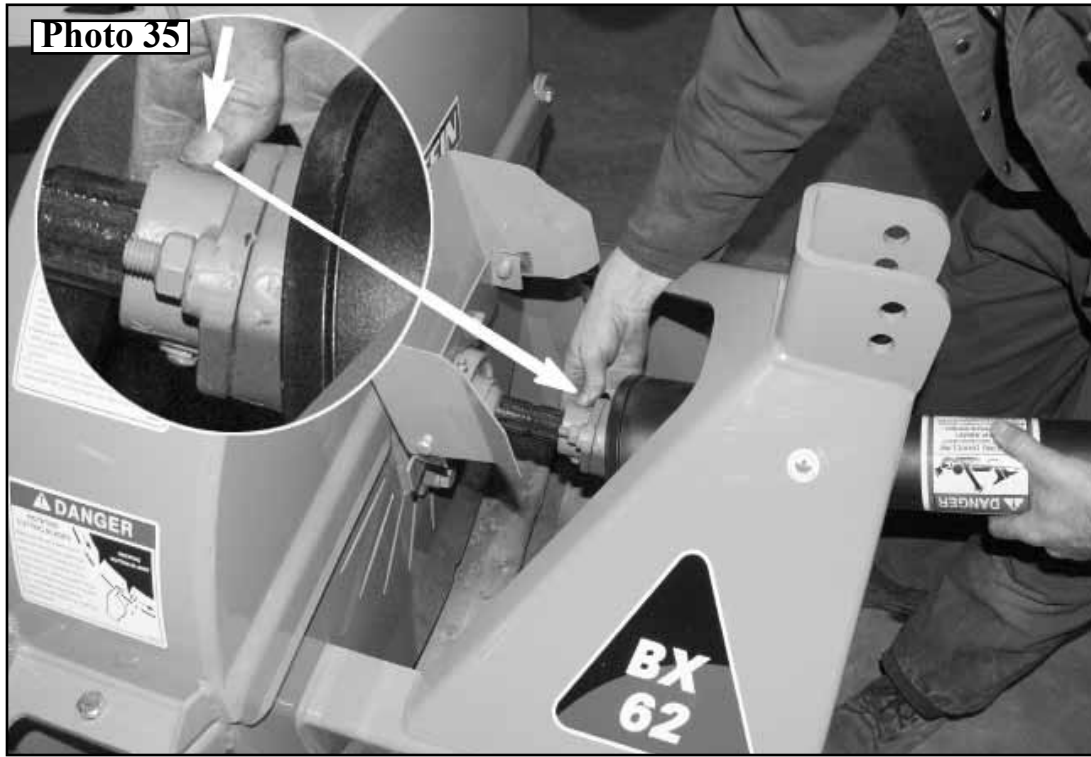




27. Locate PTO Guard and swivel up. *Photo 34*



28. Attach the PTO Shaft to the Wood Chipper by aligning the splines and depressing the spring loaded button on the PTO. Slide the PTO on to shaft until button snaps back up in position. *Photos 35 & 36*



29. Place the PTO Guard back to the lowered position. *Photo 37*



Photo 37

Complete assembled BX62S. *Photo 38*



Photo 38